L Number	Hits	Search Text	DB	Time stamp
1	3771	((422/1) or (422/5) or (422/28) or (422/32) or (422/34) or (422/123) or (422/125)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:44
2	23503	((((condensat$) or (condens$)) and ((fog$) or (aerosol) or (mist) or (nebuliz$))) and ((hydrogen peroxide) or ("h.sub.2o.sub.2") or (peroxide))) and ((temperature) or (deg.c) or (deg. adj c))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:44
3	93	(((((condensat$) or (condens$)) and ((fog$) or (aerosol) or (mist) or (nebuliz$))) and ((hydrogen peroxide) or ("h.sub.2o.sub.2") or (peroxide))) and ((temperature) or (deg.c) or (deg. adj c))) and (((422/1) or (422/5) or (422/28) or (422/32) or (422/34) or (422/123) or (422/125)).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:45
4	3073	((pet) or (plastic) or (plastics)) and (((bottle) or (bottles) or (container) or (beaker)) and (air and (((((condensat$) or (condens$)) and ((fog$) or (aerosol) or (mist) or (nebuliz$))) and ((hydrogen peroxide) or ("h.sub.2o.sub.2") or (peroxide))) and ((temperature) or (deg.c) or (deg. adj c)))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:46
5	47	(((pet) or (plastic) or (plastics)) and (((bottle) or (bottles) or (container) or (beaker)) and (air and (((((condensat$) or (condens$)) and ((fog$) or (aerosol) or (mist) or (nebuliz$))) and ((hydrogen peroxide) or ("h.sub.2o.sub.2") or (peroxide))) and ((temperature) or (deg.c) or (deg. adj c)))))) and ((((((condensat$) or (condens$)) and ((fog$) or (aerosol) or (mist) or (nebuliz$))) and ((hydrogen peroxide) or ("h.sub.2o.sub.2") or (peroxide))) and ((temperature) or (deg.c) or (deg. adj c))) and (((422/1) or (422/5) or (422/28) or (422/32) or (422/34) or (422/123) or (422/125)).CCLS.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:46
-	835232	(hydrogen peroxide) or ("h.sub.2o.sub.2") or (peroxide)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/12 12:18
-	213390	(fog$) or (aerosol) or (mist) or (nebuliz$)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/10 14:22
-	650136	(condensat$) or (condens$)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/10 14:23
-	3262723	(temperature) or (deg.c) or (deg. adj c)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/10 14:25
-	40668	((condensat$) or (condens$)) and ((fog$) or (aerosol) or (mist) or (nebuliz$))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/10 14:25
-	24218	(((condensat$) or (condens$)) and ((fog$) or (aerosol) or (mist) or (nebuliz$))) and ((hydrogen peroxide) or ("h.sub.2o.sub.2") or (peroxide))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/10 14:25

-	23178	((((condensat$) or (condens$)) and ((fog$) or (aerosol) or (mist) or (nebuliz$))) and ((hydrogen peroxide) or ("h.sub.2o.sub.2") or (peroxide))) and ((temperature) or (deg.c) or (deg. adj c))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:44
-	2375825	air	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/10 14:26
-	12187	air and (((((condensat$) or (condens$)) and ((fog$) or (aerosol) or (mist) or (nebuliz$))) and ((hydrogen peroxide) or ("h.sub.2o.sub.2") or (peroxide))) and ((temperature) or (deg.c) or (deg. adj c)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/10 14:27
-	1100460	(bottle) or (bottles) or (container) or (beaker)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/10 14:28
-	5658	((bottle) or (bottles) or (container) or (beaker)) and (air and (((((condensat$) or (condens$)) and ((fog$) or (aerosol) or (mist) or (nebuliz$))) and ((hydrogen peroxide) or ("h.sub.2o.sub.2") or (peroxide))) and ((temperature) or (deg.c) or (deg. adj c))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/10 14:29
-	1513405	(pet) or (plastic) or (plastics)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/10 14:29
-	2989	((pet) or (plastic) or (plastics)) and (((bottle) or (bottles) or (container) or (beaker)) and (air and (((((condensat$) or (condens$)) and ((fog$) or (aerosol) or (mist) or (nebuliz$))) and ((hydrogen peroxide) or ("h.sub.2o.sub.2") or (peroxide))) and ((temperature) or (deg.c) or (deg. adj c)))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:45
-	328205	air with ((temperature) or (deg.c) or (deg. adj c))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/12 12:17
-	2384343	(sterili$) or (decontaminat$) or (disinfect$) or (treat$)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/10 14:33
-	691	((sterili$) or (decontaminat$) or (disinfect$) or (treat$)) and ((air with ((temperature) or (deg.c) or (deg. adj c))) and (((pet) or (plastic) or (plastics)) and (((bottle) or (bottles) or (container) or (beaker)) and (air and (((((condensat$) or (condens$)) and ((fog$) or (aerosol) or (mist) or (nebuliz$))) and ((hydrogen peroxide) or ("h.sub.2o.sub.2") or (peroxide))) and ((temperature) or (deg.c) or (deg. adj c)))))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/10 14:46
-	76594	(422/$).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/10 14:47

-	36	((422/$).ccls.) and (((sterili$) or (decontaminat$) or (disinfect$) or (treat$)) and ((air with ((temperature) or (deg.c) or (deg. adj c))) and (((pet) or (plastic) or (plastics)) and (((bottle) or (bottles) or (container) or (beaker)) and (air and (((((condensat$) or (condens$)) and ((fog$) or (aerosol) or (mist) or (nebuliz$))) and ((hydrogen peroxide) or ("h.sub.2o.sub.2") or (peroxide))) and ((temperature) or (deg.c) or (deg. adj c))))))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/12 10:34
-	773	(air with ((temperature) or (deg.c) or (deg. adj c))) and (((pet) or (plastic) or (plastics)) and (((bottle) or (bottles) or (container) or (beaker)) and (air and (((((condensat$) or (condens$)) and ((fog$) or (aerosol) or (mist) or (nebuliz$))) and ((hydrogen peroxide) or ("h.sub.2o.sub.2") or (peroxide))) and ((temperature) or (deg.c) or (deg. adj c))))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/12 12:01
-	335442	air with ((temperature) or (deg.c) or (deg. adj c) or (deg adj2 c))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/12 12:17
-	4080219	remov$ or dry$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/12 12:18
-	835737	(hydrogen peroxide) or ("h.sub.2o.sub.2") or (peroxide)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/12 12:28
-	591	(remov$ or dry$) adj ((hydrogen adj peroxide) or ("h.sub.2o.sub.2"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/12 12:29
-	98043	(hydrogen adj peroxide) or ("h.sub.2o.sub.2")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/12 12:30
-	13	((remov$ or dry$) adj ((hydrogen adj peroxide) or ("h.sub.2o.sub.2"))) same (air with ((temperature) or (deg.c) or (deg. adj c) or (deg adj2 c)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/12 12:30

WEST

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L2: Entry 1 of 1 File: DWPI Mar 6, 1992

DERWENT-ACC-NO: 1992-143376
DERWENT-WEEK: 199218

TITLE: Sterilisation of food containers - by hydrogen peroxide vapour from nebulising chamber which eliminates large droplets

INVENTOR: DRONET, J M

PATENT-ASSIGNEE:

ASSIGNEE	CODE
CMB REMY	REMY

PRIORITY-DATA: 1990FR-0010945 (September 3, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
FR 2666299 A	March 6, 1992		011	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
FR 2666299A	September 3, 1990	1990FR-0010945	

INT-CL (IPC): B65B 55/06

ABSTRACTED-PUB-NO: FR 2666299A
BASIC-ABSTRACT:

Containers are sterilised by hydrogen peroxide sprayed into them with warm air. Hydrogen peroxide mist is generated in a nebulising chamber. This chamber is part full of liq. hydrogen peroxide. Liq. is drawn into the nebuliser itself, above the surface, and atomised. Any large droplets of hydrogen peroxide produced will return to the body of liq., as well any coagulated droplets, ensuring a fine spray of hydrogen peroxide in the space above the liq.. Warm, sterile air is blown into this space when a sterilising spray is required, forcing droplets of hydrogen peroxide out through a pipe, to a nozzle above the item for sterilisation.

USE/ADVANTAGE - Sterilisation of food containers prior to use. The fine spray of hydrogen peroxide leaves a thin film only on the surface of the container, which dries quickly. Warm propellant air, at about 80 deg.C is the optimum temp. for hydrogen peroxide sterilisation.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: STERILE FOOD CONTAINER HYDROGEN PEROXIDE VAPOUR NEBULISER CHAMBER ELIMINATE DROP

DERWENT-CLASS: D22 E36 Q31

CPI-CODES: D09-A01A; E31-E;

CHEMICAL-CODES:

Chemical Indexing M3 *01*
Fragmentation Code
C101 C408 C550 C730 C800 C801 C802 C804 C805 C807
M411 M781 M903 M904 M910 Q261 R011
Specfic Compounds
01732U

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1732U

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C1992-066469
Non-CPI Secondary Accession Numbers: N1992-107177

WEST

End of Result Set

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L1: Entry 1 of 1 File: DWPI May 23, 1985

DERWENT-ACC-NO: 1985-128872
DERWENT-WEEK: 198522

TITLE: Beakers sterilised at beaker filling machine - with atomised hydrogen peroxide propelled by large vol. of hot air followed by drying with hotter air

INVENTOR: REINECKE, G

PATENT-ASSIGNEE:

ASSIGNEE	CODE
HAMBA-MASCH MULL H	HAMBN

PRIORITY-DATA: 1983DE-3339930 (November 4, 1983), 1983DE-3339330 (November 4, 1983)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 3339930 A	May 23, 1985		023	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 3339930A	November 4, 1983	1983DE-3339330	

INT-CL (IPC): A61L 2/18; B65B 55/10; F26B 15/18

ABSTRACTED-PUB-NO: DE 3339930A
BASIC-ABSTRACT:

Beakers 13), e.g. of plastics, paper, cardboard or glass, for containing foods or drinks are sterilised within the working cycle of a beaker filling machine using a sterilising agent, esp. hydrogen peroxide, atomised with air at room temperature. The atomised sterilising agent is injected into a large volume of hot air, at least at 100 (100-110) deg. C acting as the carrier. A quantity of this hot air stream several times greater than the volume of the beaker (13) is then jetted onto the internal surface of the beaker by an annular nozzle (29), flowing down the inner face of the beaker and returning upwards at the centre (S). In a next succeeding step, the beaker is dried with hot air at a second, higher temperature level, esp. 120-140 Deg. C. The preferred (very low) ratio of hydrogen peroxide to air is 8-14 ppm.

USE/ADVANTAGE - For sterilising glass, paper, cardboard or plastics beakers before filling. The quantity of hydrogen peroxide or other sterilising agent required is extremely small but nevertheless effective sterilisation is achieved and no problem is encountered in removing all traces of the agent in the hot air drying process.

CHOSEN-DRAWING: Dwg.5/6

TITLE-TERMS: BEAKER STERILE BEAKER FILL MACHINE ATOMISE HYDROGEN PEROXIDE PROPEL VOLUME HOT AIR FOLLOW DRY HOT AIR

DERWENT-CLASS: D22 P34 Q31 Q76

CPI-CODES: D09-A01A;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1732U

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C1985-056072
Non-CPI Secondary Accession Numbers: N1985-096924